

OSWEGO

Intertek Caleb Brett
1000C Port Carteret Dr
Carteret, NJ 07008
Ph: (732) 969-5200
Fax: (732) 969-5297

Interim Laboratory Report No.:

2005-005232-NYHB

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

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REFERENCE:

PURCHASE ORDER:

VESSEL NAME:

MT PETROLIA DESGAGNES

SAMPLE DETAILS:

Sample(s) received on Wednesday, December 14, 2005

SUBMITTED BY:

NUMBER OF CONTAINERS:

TYPE OF CONTAINERS:

CUSTOMER PRODUCT DESCRIPTION:

SAMPLE ID

Shore Tank 5 After Discharge Upper NO. 6 FUEL OIL	2005-005232-NYHB-001
Shore Tank 5 After Discharge Middle NO. 6 FUEL OIL	2005-005232-NYHB-002
Shore Tank 5 After Discharge Lower NO. 6 FUEL OIL	2005-005232-NYHB-003
Shore Tank 5 After Discharge Running NO. 6 FUEL OIL	2005-005232-NYHB-004
Shore Tank 5 After Discharge Equal UML Composite NO. 6 FUEL OIL	2005-005232-NYHB-005

RESULTS:

Sample ID: 2005-005232-NYHB-001			
Customer Product Description: Shore Tank 5 After Discharge Upper NO. 6 FUEL OIL			
Method	Test	Result	Units
D4052	API Gravity @ 60 Deg F	14.2	deg API
D4294	Sulfur	1.19	Wt %

Sample ID: 2005-005232-NYHB-002			
Customer Product Description: Shore Tank 5 After Discharge Middle NO. 6 FUEL OIL			
Method	Test	Result	Units
D4052	API Gravity @ 60 Deg F	14.2	deg API
D4294	Sulfur	1.18	Wt %

Sample ID: 2005-005232-NYHB-003			
Customer Product Description: Shore Tank 5 After Discharge Lower NO. 6 FUEL OIL			
Method	Test	Result	Units
D4052	API Gravity @ 60 Deg F	14.2	deg API
D4294	Sulfur	1.18	Wt %

Sample ID : 2005-005232-NYHB-003			
Customer Product Description : Shore Tank 5 After Discharge Lower NO. 6 FUEL OIL			
Method	Test	Result	Units

Sample ID : 2005-005232-NYHB-004			
Customer Product Description : Shore Tank 5 After Discharge Running NO. 6 FUEL OIL			
Method	Test	Result	Units
D4052	API Gravity @ 60 Deg F	14.2	deg API
D4294	Sulfur	1.18	Wt %

Sample ID : 2005-005232-NYHB-005			
Customer Product Description : Shore Tank 5 After Discharge Equal UML Composite NO. 6 FUEL OIL			
Method	Test	Result	Units
D4052	API Gravity @ 60 Deg F	14.2	deg API
D4294	Sulfur	1.18	Wt %
D445/D2161	Kinematic Viscosity @ 122°F	544.7	cSt
	Saybolt Furol Viscosity @ 122 °F	257.0	SFS
D93 method B	Corrected Flash Point	184	deg F
D95	Water	0.0	Vol %
D473	Sediment by Extraction	0.56	Wt %
D1796	Sediment and Water	0.2	Vol %
D482 @ 775 deg C	Ash @ 775 deg C	0.019	Wt %
ICP	Sodium	27	ppm
	Vanadium	16	ppm
D5762	Nitrogen	0.30	Wt %
D240	Gross Heat of Combustion	18730	BTU / lb
	Gross Heat of Combustion	151488	BTU / gal
D3279	Asphaltene / n-Heptane Insolubles	1.05	Wt %
D4530	Micro Carbon Residue on 10% Bottoms	8.9	Wt %
D97	Upper Pour Point	18	deg C
	Upper Pour Point, deg F	64	deg F

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Please Note: These results are subject to confirmation on completion of the final report